

Method and System of Allocating Storage Resources in a Storage Area Network

Abstract

5 A system for allocating storage resources in a storage area network is described. A logical unit number (LUN) mapper receives at least one storage request parameter and maps the storage request parameters to at least one physical LUN. The LUN mapper includes at least one LUN map. The storage request parameters include a host id parameter, a target LUN parameter, and a target host bus adaptor (HBA) parameter. The LUN mapper uses the host id parameter to
10 select the one of the LUN maps that corresponds to the host id parameter. The LUN mapper applies the target LUN parameter and the target HBA parameter to the selected LUN map to locate the physical LUN(s) stored in the selected LUN map. The LUN mapper issues the received read/write storage request to at least
15 one storage device that houses the physical LUN(s). The one or more storage devices are located in the storage area network.

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